

Deferred  
1/28/85

PROJECT PLANNING REPORT

Selma, SR 1927, Johnston County  
Projects 9.8043417 (Inside City Limits) &  
6.806071 (Outside City Limits)  
U-1154L & R-1154J

Submitted to  
Planning Board  
by  
Planning and Research Branch  
Division of Highways  
N. C. Department of Transportation

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## PROJECT PLANNING REPORT

Selma, SR 1927, Johnston County  
U-1154L & R-1154J

### Description

This report covers the proposed widening of SR 1927 from the end of the existing curb and gutter section in Selma eastward to the intersection of the I-95 northbound ramp (see Figure 1). Total project length is approximately 0.7 mile. The project is included in the Statewide Urban Program for FY 85.

### Existing Conditions

Within the city limits, SR 1927 is designated as a minor thoroughfare in the Selma Thoroughfare Plan. However, outside the city limits, it is classified as a major thoroughfare since the rural portion of SR 1927 is proposed to ultimately connect with Oak Street to form a crosstown route (See Figure 2).

Current traffic volume on this section of road is 3000 vehicles per day. Estimated traffic volume for year 2005 is 5300 vpd, including 1 percent TTST and 3 percent dual tired trucks. The future traffic projection considers the ultimate thoroughfare system.

The subject section of road has basically 18 to 20-foot pavements with generally 5-foot shoulders. Through the I-95 interchange area, it widens to 22-foot pavement with 8-foot shoulders. It adjoins a 36-foot curb and gutter roadway to the west through the central business area where parallel parking is allowed on both sides. A 60-foot right of way is claimed along the project, but no right of way agreements are available to support this claim. Within the city limits, utility poles are set on each side of the road about 10 feet from the edge of pavement (or a total of 40 feet between poles). Some buildings and large trees are located close to the road. Outside the city limits, utilities and buildings are adequately set back to provide a 60-foot clear width for right of way purposes. However, horizontal clearance underneath the I-95 structures is limited to 44 feet between the closest piers.

Railroads cross the project at two locations. The Seaboard System Railroad crossing has two high speed through tracks and two spur tracks with signal and gate protection. Daily train volume is 18 through and 7 switching movements. The other crossing contains a low speed spur track owned by Southern Railway and is used by 6 switching trains daily and protected with crossbuck signs.

Estimated Cost

Total estimated project cost is as follows:

Inside City Limits (0.35 mile) -	\$125,000
Outside City Limits (0.35 mile) -	<u>\$125,000</u>

Total	\$250,000
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The above costs exclude right of way and utility costs which are expected to be assumed by the City.

Environmental Evaluation

The nature and magnitude of the proposed project should not produce any significant adverse effect on the environment. The project is a minor improvement of an established highway with minor additional right of way, if any, and no displacement of any residence or business required.

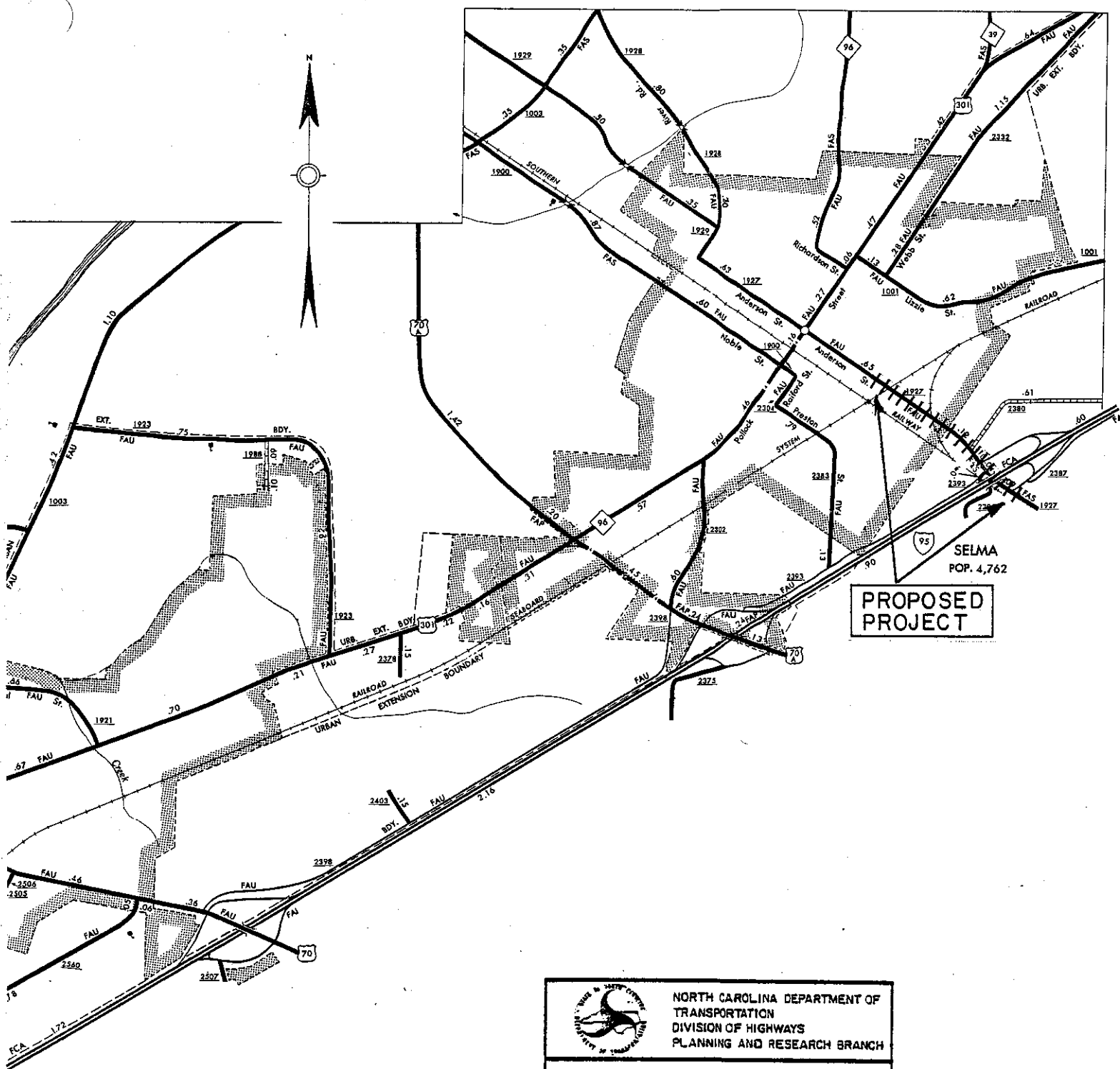
Construction of a wider pavement and curb and gutter should have a positive impact on the community by providing safer traffic operation and improved appearance.

Due to urban development of the area, the project should have no significant effect on animal or plant life. It does not involve any habitat for endangered or threatened species, archaeological or historical sites, wetlands, or floodplains.

Possible erosion or siltation of adjacent properties may occur during construction but will be minimized by anticipated minor grading and use of standard erosion control measures.

The proposal should have no significant effect on noise levels or air quality. It retains the existing basic two-lane operation which would not significantly alter the pattern or volume of traffic using the facility.


RGD,jr/pr

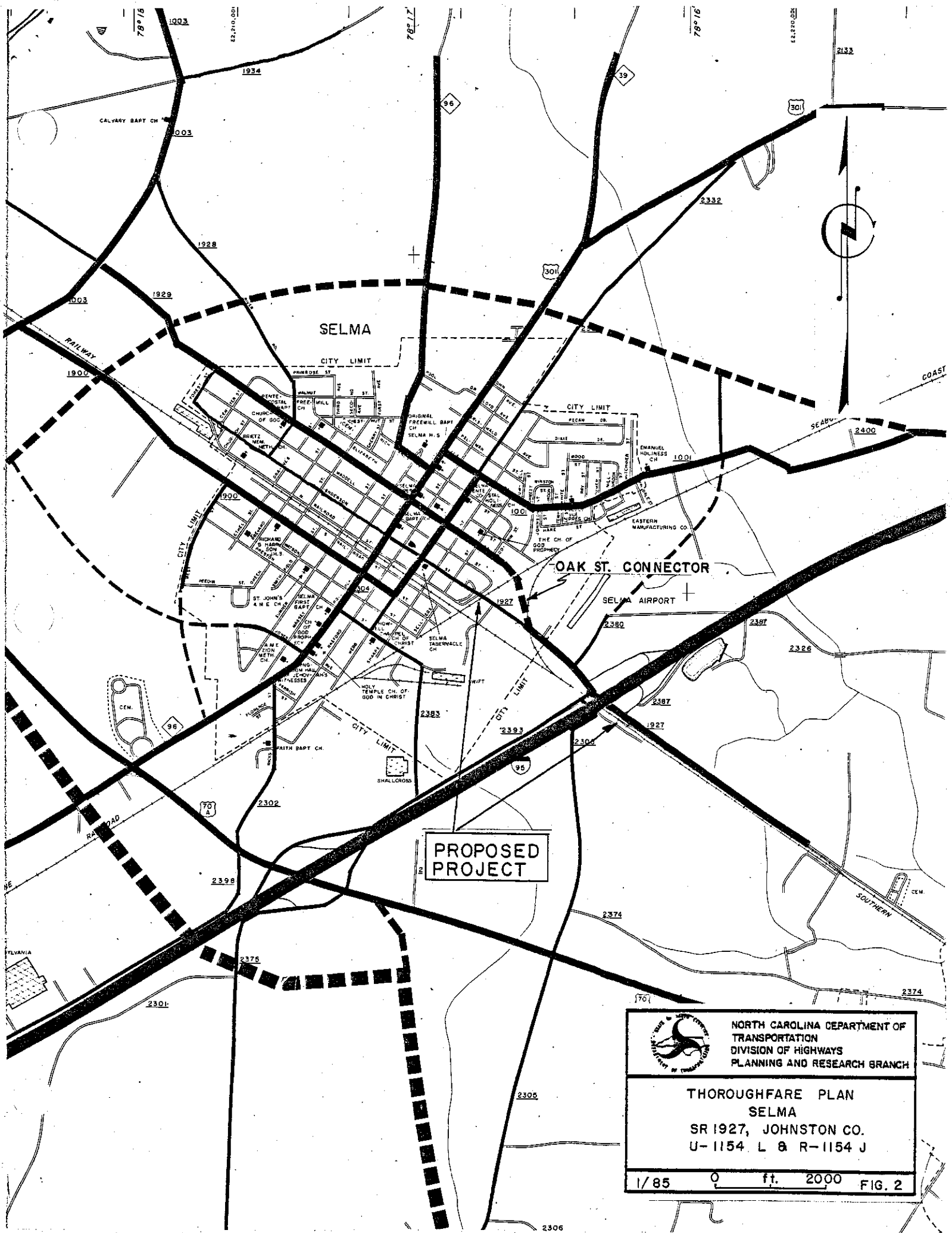



SMITHFIELD  
POP. 7,288

SELMA  
POP. 4,762

PROPOSED  
PROJECT

	NORTH CAROLINA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANNING AND RESEARCH BRANCH
	SELMA SR 1927, JOHNSTON CO. U-1154 L & R-1154 J
1/85 0 mile 1/2 FIG. 1	



 NORTH CAROLINA DEPARTMENT OF  
TRANSPORTATION  
DIVISION OF HIGHWAYS  
PLANNING AND RESEARCH BRANCH

THOROUGHFARE PLAN  
SELMA  
SR 1927, JOHNSTON CO.  
U-1154 L & R-1154 J

1/85 0 ft. 2000 FIG. 2